

Title (en)  
ADD-ON MODULE FOR A FIELD DEVICE

Title (de)  
ZUSATZMODUL FÜR EIN FELDGERÄT

Title (fr)  
MODULE SUPPLÉMENTAIRE POUR UN APPAREIL DE TERRAIN

Publication  
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Application  
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Abstract (en)  
[origin: WO2020200689A1] The invention relates to an add-on module (1) for a field device (3) for measuring and/or monitoring at least one measurement variable (L), wherein the field device (3) can be mounted by means of a process port (7) at a site of use in such a manner that a region of the field device (3) facing the process is exposed to process conditions (PB) prevailing at the site of use and a region of the field device (3) facing away from the process is exposed to ambient conditions (UB) prevailing at the site of use. The add-on module (1) makes it possible to capture stresses imposed on the field device (3) by the ambient conditions in a manner which can be flexibly adapted to the conditions at the site of use. To this end, the add-on module (1) can be mounted on the region of the field device (3) facing away from the process and comprises at least one receiving device into which one measuring module (33), which can be selected from a module toolbox comprising various measuring modules (33), can be inserted or is inserted, wherein each measuring module (33) in each case captures by measurement at least one ambient parameter and/or at least one effect of the ambient conditions (UB) on the measuring module (33) in question, and wherein the add-on module (1) comprises an evaluation unit (35) which, on the basis of the ambient parameter and/or effects captured by means of the measuring modules (33) connected to the evaluation unit (35), determines an instantaneous stress acting on the field device (3) equipped with said add-on module (1) and/or an overall stress to which the field device (3) equipped with the add-on module (1) has been exposed thus far overall during the period of use thereof.

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